

11

PPI-119

1



SEQUENCE LISTING

<110> May, Michael J
 Ghosh, Sankar
 Findeis, Mark A
 Phillips, Kathryn
 Hannig, Gerhard

<120> ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF

<130> PPI-119

<140> 09/847,946
 <141> 2001-05-02

<150> 60/201,261
 <151> 2000-05-02

<150> 09/643,260
 <151> 2000-08-22

<160> 160

<170> PatentIn Ver. 2.0

<210> 1
 <211> 2268
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:wild-type IKK(
 NBD

<400> 1
 atgagcttgt caccccccgt gacaacgcag acatgtgggg cctggaaaat gaaagagcgc 60
 cttggacacag ggggatttgg aaatgtcatc cgatggcaca atcaggaaac aggtgagcag 120
 attgccatca agcagtgcgc gcaggagctc agccccggc accgagagcg gtggtcctg 180
 gagatccaga tcatgagaag gctgaccac cccaatgtgg tggctgccc agatgtccct 240
 gagggggatgc agaacttggc gcccaatgac ctgccccctgc tggccatgga gtactgcca 300
 ggagggagatc tccgaaatgta cctgaaccag tttgagaact gctgtgtct gccccggatgt 360
 gccatccatca cttgtcttag tgacattgcc tctgcgttta gatacctca tgaaaacaga 420
 atcatccatc gggatctaaa gccagaaaaac atcgtccctgc agcaaggaga acagaggta 480
 atacacaaaa ttattgaccc aggatatgcc aaggagctgg atcagggcag tctttgcaca 540
 tcatttcgtgg ggaccctgca gtacctggcc ccagagctac tggagcagca gaagtacaca 600
 gtgaccgtcg actactggag ctteggcacc ctggcctttg agtgcacatc gggcttccgg 660
 cccttcctcc ccaactggca gcccgtgcag tggcattcaa aagtgcggca gaagagttag 720
 gtggacattt ttgttagcga agacttgaat ggaacgggtga agtttcaag ctctttaccc 780
 taccacaaa atcttaacacat tgcctggct gagcgacttg agaagtggct gcaactgatg 840
 ctgtatgtggc acccccgaca gagggggcacg gatcccacgt atggggccaa tggctgttcc 900
 aaggccctgg atgacatctt aaacttaaag ctggttcata tcttgaacat ggtcacgggc 960
 accatccaca cttaccctgt gacagaggat gagagtctgc agagcttggaa gggcagaatc 1020
 caacaggaca cggcataccc agaggaggac caggagctgc tgcaggaagc gggcttggcg 1080
 ttgatccccg ataagcctgc cactcagtgt atttcagacg gcaagttaaa tgaggggcac 1140
 acattggaca tggatcttgt ttttcttccat gacaacagta aaatcaccta tgagactcag 1200
 atctccccac ggcccccaacc tgaaagtgtc agctgtatcc ttcaagagcc caagaggaat 1260
 ctgccttct tccagcttag gaaggtgtgg ggccaggctc ggcacagcat ccagaccctg 1320
 aaggaagatt gcaaccggct gcagcaggga cagcgagccg ccatgatgaa tctccctccga 1380
 aacaacagct gccttc当地 aatgaagaat tccatggctt ccatgtctca gcagctcaag 1440
 gccaagttgg atttttcaa aaccagcatc cagattgacc tggagaagta cagcgagcaa 1500
 accgagtttgg gatcatacatc agataaaactg ctgtggctt ggagggaaat ggagcaggct 1560
 gtggagctct gtggccggga gaacgaagtg aaactcttgg tagaacggat gatggctctg 1620
 cagaccgaca ttgtggactt acagaggagc cccatggcc ggaagcaggg gggaaacgctg 1680

RECEIVED

JUN 24 2002

TECH CENTER 1600/2900

gacgacctag aggagcaagc aagggagctg tacaggagac taaggaaaa acctcgagac 1740
cagcgaactg aggtgcacag tcagggaaatg gtacggctgc tgcttcaggc aattcagagc 1800
ttcgagaaga aagtgcgagt gatctatacg cagtcagta aaactgtggt ttgcaagcag 1860
aaggcgctgg aactgttgcc caaggtggaa gaggtggta gcttaatgaa tgaggatgag 1920
aagactgttg tccggctgca ggagaagcgg cagaaggagc tctggaatct cctgaagatt 1980
gcttgttagca aggtccgtgg tcctgtcagt ggaagccccgg atagcatgaa tgcccttcga 2040
cttagccagc ctgggcagct gatgtctcag ccctccacgg cctccaacag cttacctgag 2100
ccagccaaaga agagtgaaga actgggtggct gaagcacata acctctgcac cctgctagaa 2160
aatgccatac aggacactgt gagggAACAA gaccagagtt tcacggccct agactggagc 2220
tggttacaga cggaagaaga agagcacagc tgccctggagc aggcctca 2268

<210> 2

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:NBD peptide

<400> 2

Leu Asp Trp Ser Trp Leu
1 5

<210> 3

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:NBD peptide

<400> 3

Leu Asp Ala Ser Ala Leu
1 5

<210> 4

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:NBD peptide

<400> 4

Ala Asp Trp Ser Trp Leu
1 5

<210> 5

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:NBD peptide

<400> 5

Leu Asp Trp Ser Trp Ala
1 5

<210> 6

<400> 6
000

<210> 7
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NBD peptide

<400> 7
Leu Ala Trp Ser Trp Leu
1 5

<210> 8
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NBD peptide

<400> 8
Leu Glu Trp Ser Trp Leu
1 5

<210> 9
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NBD peptide

<400> 9
Leu Asn Trp Ser Trp Leu
1 5

<210> 10
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NBD peptide

<400> 10
Leu Asp Ala Ser Trp Leu
1 5

<210> 11
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NBD peptide

<400> 11
Leu Asp Phe Ser Trp Leu
1 5

<210> 12
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NBD peptide

<400> 12
Leu Asp Tyr Ser Trp Leu
1 5

<210> 13
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NBD peptide

<400> 13
Leu Asp Trp Ser Ala Leu
1 5

<210> 14
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NBD peptide

<400> 14
Leu Asp Trp Ser Phe Leu
1 5

<210> 15
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NBD peptide

<400> 15
Leu Asp Trp Ser Tyr Leu
1 5

<210> 16
<211> 6
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:NBD peptide

<400> 16

Leu Asp Trp Ala Trp Leu
1 5

<210> 17

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:NBD peptide

<400> 17

Leu Asp Trp Glu Trp Leu
1 5

<210> 18

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:NBD peptide

<400> 18

Asp Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys
1 5 10 15

Lys Thr Ala Leu Asp Trp Ser Trp Leu Gln Thr Glu
20 25

<210> 19

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:NBD peptide

<400> 19

Asp Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys
1 5 10 15

Lys Thr Ala Leu Asp Ala Ser Ala Leu Gln Thr Glu
20 25

<210> 20

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<400> 20
atagacaaat tcaataggca cctctggaag 30

<210> 21
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:primer

<400> 21
gtacacctacg taactcatcg agctccagga t 31

<210> 22
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 22
ctagtcgaat tcaccatgca gagcacagcc aattac 36

<210> 23
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 23
ggtcgtggag gactacagat tagatctctg atc 33

<210> 24
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 24
tttagatttgtt cttgggtta 18

<210> 25
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 25
ttggacttgtt cctggctta 18

<210> 26

<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 26
tttagatttgt cttatctg

18

<210> 27
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 27
cttgacttgt catactta

18

<210> 28
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 28
Thr Ala Leu Asp Trp Ser Trp Leu Gln Thr Glu
1 5 10

<210> 29
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 29
Leu Asp Trp Ser Trp Leu Gln Thr Glu
1 5

<210> 30
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 30
Thr Ala Leu Asp Trp Ser Trp Leu
1 5

<210> 31
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 31
Ala Leu Asp Trp Ser Trp Leu Gln Thr Glu
1 5 10

<210> 32
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 32
Leu Asp Trp Ser Trp Leu Gln Thr Glu
1 5

<210> 33
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 33
Leu Asp Trp Ser Trp Leu
1 5

<210> 34
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 34
Thr Ala Leu Asp Trp Ser Trp Leu Gln Thr
1 5 10

<210> 35
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 35
Thr Ala Leu Asp Trp Ser Trp Leu Gln
1 5

<210> 36
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 36
Ala Leu Asp Trp Ser Trp Leu Gln Thr
1 5

<210> 37
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 37
Leu Asp Trp Ser Trp Leu Gln
1 5

<210> 38
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 38
Leu Asp Trp Ser Trp Leu Gln Thr
1 5

<210> 39
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 39
Ala Asp Trp Ser Trp Leu
1 5

<210> 40
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 40
Leu Asp Trp Ser Trp Ala
1 5

<210> 41
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 41
Ala Asp Trp Ser Trp Ala
1 5

<210> 42
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 42
Leu Asp Phe Ser Trp Leu
1 5

<210> 43
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 43
Arg Arg Met Lys Trp Lys Lys Leu Asp Trp Ser Trp
1 5 10

<210> 44
<211> 6
<212> PRT
<213> Artificial Sequence

```
<220>
<223> Description of Artificial Sequence:NEMO binding
      sequence

<400> 44
Leu Asp Trp Ala Trp Leu
  1           5

<210> 45
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding
      sequence

<400> 45
Leu Asp Trp Glu Trp Leu
  1           5

<210> 46
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding
      sequence

<400> 46
Thr Ala Ala Asp Trp Ser Trp Leu Gln Thr Glu
  1           5           10

<210> 47
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding
      sequence

<400> 47
Ala Asp Trp Ser Trp Leu Gln Thr Glu
  1           5

<210> 48
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding
      sequence

<400> 48
Thr Ala Ala Asp Trp Ser Trp Leu
  1           5
```

<210> 49
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 49
Ala Ala Asp Trp Ser Trp Leu Gln Thr Glu
1 5 10

<210> 50
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 50
Ala Asp Trp Ser Trp Leu Gln Thr Glu
1 5

<210> 51
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 51
Ala Asp Trp Ser Trp Leu
1 5

<210> 52
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 52
Thr Ala Ala Asp Trp Ser Trp Leu Gln Thr
1 5 10

<210> 53
<211> 9
<212> PRT
<213> Artificial Sequence

```
<220>
<223> Description of Artificial Sequence:NEMO binding
      sequence

<400> 53
Thr Ala Ala Asp Trp Ser Trp Leu Gln
    1           5

<210> 54
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding
      sequence

<400> 54
Ala Ala Asp Trp Ser Trp Leu Gln Thr
    1           5

<210> 55
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding
      sequence

<400> 55
Ala Asp Trp Ser Trp Leu Gln
    1           5

<210> 56
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding
      sequence

<400> 56
Ala Asp Trp Ser Trp Leu Gln Thr
    1           5

<210> 57
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding
      sequence

<400> 57
Ala Leu Asp Trp Ser Trp Ala Gln Thr Glu
    1           5           10
```

<210> 58
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 58
Leu Asp Trp Ser Trp Ala Gln Thr Glu
1 5

<210> 59
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 59
Thr Ala Leu Asp Trp Ser Trp Ala
1 5

<210> 60
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 60
Ala Leu Asp Trp Ser Trp Ala Gln Thr Glu
1 5 10

<210> 61
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 61
Leu Asp Trp Ser Trp Ala Gln Thr Glu
1 5

<210> 62
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 62
Leu Asp Trp Ser Trp Ala
1 5

<210> 63
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 63
Thr Ala Leu Asp Trp Ser Trp Ala Gln Thr
1 5 10

<210> 64
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 64
Thr Ala Leu Asp Trp Ser Trp Ala Gln
1 5

<210> 65
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 65
Ala Leu Asp Trp Ser Trp Ala Gln Thr
1 5

<210> 66
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 66
Leu Asp Trp Ser Trp Ala Gln
1 5

<210> 67
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 67
Leu Asp Trp Ser Trp Ala Gln Thr
1 5

<210> 68
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 68
Thr Ala Ala Asp Trp Ser Trp Ala Gln Thr Glu
1 5 10

<210> 69
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 69
Ala Asp Trp Ser Trp Ala Gln Thr Glu
1 5

<210> 70
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 70
Thr Ala Ala Asp Trp Ser Trp Ala
1 5

<210> 71
<211> 10
<212> PRT
<213> Artificial Sequence

```
<220>
<223> Description of Artificial Sequence:NEMO binding
      sequence

<400> 71
Ala Ala Asp Trp Ser Trp Ala Gln Thr Glu
    1           5           10

<210> 72
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding
      sequence

<400> 72
Ala Asp Trp Ser Trp Ala Gln Thr Glu
    1           5

<210> 73
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding
      sequence

<400> 73
Ala Asp Trp Ser Trp Ala
    1           5

<210> 74
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding
      sequence

<400> 74
Thr Ala Ala Asp Trp Ser Trp Ala Gln Thr
    1           5           10

<210> 75
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding
      sequence

<400> 75
Thr Ala Ala Asp Trp Ser Trp Ala Gln
    1           5
```

<210> 76
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 76
Ala Ala Asp Trp Ser Trp Ala Gln Thr
1 5

<210> 77
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 77
Ala Asp Trp Ser Trp Ala Gln
1 5

<210> 78
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 78
Ala Asp Trp Ser Trp Ala Gln Thr
1 5

<210> 79
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 79
Thr Ala Leu Asp Phe Ser Trp Leu Gln Thr Glu
1 5 10

<210> 80
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 80
Leu Asp Phe Ser Trp Leu Gln Thr Glu
1 5

<210> 81
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 81
Thr Ala Leu Asp Phe Ser Trp Leu
1 5

<210> 82
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 82
Ala Leu Asp Phe Ser Trp Leu Gln Thr Glu
1 5 10

<210> 83
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 83
Leu Asp Phe Ser Trp Leu Gln Thr Glu
1 5

<210> 84
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 84
Leu Asp Phe Ser Trp Leu
1 5

<210> 85
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 85
Thr Ala Leu Asp Phe Ser Trp Leu Gln Thr
1 5 10

<210> 86
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 86
Thr Ala Leu Asp Phe Ser Trp Leu Gln
1 5

<210> 87
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 87
Ala Leu Asp Phe Ser Trp Leu Gln Thr
1 5

<210> 88
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 88
Leu Asp Phe Ser Trp Leu Gln
1 5

<210> 89
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 89
Leu Asp Phe Ser Trp Leu Gln Thr
1 5

<210> 90
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 90
Thr Ala Leu Asp Tyr Ser Trp Leu Gln Thr Glu
1 5 10

<210> 91
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 91
Leu Asp Tyr Ser Trp Leu Gln Thr Glu
1 5

<210> 92
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 92
Thr Ala Leu Asp Tyr Ser Trp Leu
1 5

<210> 93
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 93
Ala Leu Asp Tyr Ser Trp Leu Gln Thr Glu
1 5 10

```
<210> 94
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding
      sequence

<400> 94
Leu Asp Tyr Ser Trp Leu Gln Thr Glu
  1           5

<210> 95
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding
      sequence

<400> 95
Leu Asp Tyr Ser Trp Leu
  1           5

<210> 96
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding
      sequence

<400> 96
Thr Ala Leu Asp Tyr Ser Trp Leu Gln Thr
  1           5           10

<210> 97
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding
      sequence

<400> 97
Thr Ala Leu Asp Tyr Ser Trp Leu Gln
  1           5

<210> 98
<211> 9
<212> PRT
<213> Artificial Sequence
```

```
<220>
<223> Description of Artificial Sequence:NEMO binding
      sequence

<400> 98
Ala Leu Asp Tyr Ser Trp Leu Gln Thr
    1           5

<210> 99
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding
      sequence

<400> 99
Leu Asp Tyr Ser Trp Leu Gln
    1           5

<210> 100
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding
      sequence

<400> 100
Leu Asp Tyr Ser Trp Leu Gln Thr
    1           5

<210> 101
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding
      sequence

<400> 101
Thr Ala Leu Asp Trp Ala Trp Leu Gln Thr Glu
    1           5           10

<210> 102
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding
      sequence

<400> 102
Leu Asp Trp Ala Trp Leu Gln Thr Glu
    1           5
```

<210> 103
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 103
Thr Ala Leu Asp Trp Ala Trp Leu
1 5

<210> 104
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 104
Ala Leu Asp Trp Ala Trp Leu Gln Thr Glu
1 5 10

<210> 105
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 105
Leu Asp Trp Ala Trp Leu Gln Thr Glu
1 5

<210> 106
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 106
Leu Asp Trp Ala Trp Leu
1 5

<210> 107
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 107
Thr Ala Leu Asp Trp Ala Trp Leu Gln Thr
1 5 10

<210> 108
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 108
Thr Ala Leu Asp Trp Ala Trp Leu Gln
1 5

<210> 109
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 109
Ala Leu Asp Trp Ala Trp Leu Gln Thr
1 5

<210> 110
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 110
Leu Asp Trp Ala Trp Leu Gln
1 5

<210> 111
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 111
Leu Asp Trp Ala Trp Leu Gln Thr
1 5

<210> 112
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 112
Thr Ala Leu Asp Trp Glu Trp Leu Gln Thr Glu
1 5 10

<210> 113
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 113
Leu Asp Trp Glu Trp Leu Gln Thr Glu
1 5

<210> 114
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 114
Thr Ala Leu Asp Trp Glu Trp Leu
1 5

<210> 115
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding sequence

<400> 115
Ala Leu Asp Trp Glu Trp Leu Gln Thr Glu
1 5 10

<210> 116
<211> 9
<212> PRT
<213> Artificial Sequence

```
<220>
<223> Description of Artificial Sequence:NEMO binding
      sequence

<400> 116
Leu Asp Trp Glu Trp Leu Gln Thr Glu
  1           5

<210> 117
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding
      sequence

<400> 117
Leu Asp Trp Glu Trp Leu
  1           5

<210> 118
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding
      sequence

<400> 118
Thr Ala Leu Asp Trp Glu Trp Leu Gln Thr
  1           5           10

<210> 119
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding
      sequence

<400> 119
Thr Ala Leu Asp Trp Glu Trp Leu Gln
  1           5

<210> 120
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding
      sequence

<400> 120
Ala Leu Asp Trp Glu Trp Leu Gln Thr
  1           5
```

```
<210> 121
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding
      sequence

<400> 121
Leu Asp Trp Glu Trp Leu Gln
  1           5

<210> 122
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:NEMO binding
      sequence

<400> 122
Leu Asp Trp Glu Trp Leu Gln Thr
  1           5

<210> 123
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:membrane
      translocation domain

<400> 123
Arg Arg Met Lys Trp Lys Lys
  1           5

<210> 124
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:membrane
      translocation domain

<400> 124
Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg
  1           5           10

<210> 125
<211> 11
<212> PRT
<213> Artificial Sequence
```

<220>
<223> Description of Artificial Sequence:membrane
translocation domain

<400> 125
Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg
1 5 10

<210> 126
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:membrane
translocation domain

<400> 126
Tyr Ala Arg Lys Ala Arg Arg Gln Ala Arg Arg
1 5 10

<210> 127
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:membrane
translocation domain

<400> 127
Tyr Ala Arg Lys Ala Arg Arg Gln Ala Arg Arg
1 5 10

<210> 128
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:membrane
translocation domain

<400> 128
Tyr Ala Arg Ala Ala Arg Arg Ala Ala Arg Arg
1 5 10

<210> 129
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:membrane
translocation domain

<400> 129
Tyr Ala Arg Ala Ala Arg Arg Ala Ala Arg Arg
1 5 10

<210> 130
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:membrane translocation domain

<400> 130
Arg Arg Met Lys Trp Lys Lys
1 5

<210> 131
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:anti-inflammatory compound

<400> 131
Arg Arg Met Lys Trp Lys Lys Thr Ala Leu Asp Trp Ser Trp Leu Gln
1 5 10 15

Thr Glu

<210> 132
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:anti-inflammatory compound

<400> 132
Thr Ala Leu Asp Trp Ser Trp Leu Gln Thr Glu
1 5 10

<210> 133
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:anti-inflammatory compound

<400> 133
Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg Thr Ala Leu Asp Trp
1 5 10 15

Ser Trp Leu Gln Thr Glu
20

<210> 134
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:anti-inflammatory compound

<400> 134
Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg Thr Ala Leu Asp Trp
1 5 10 15

Ser Trp Leu Gln Thr Glu
20

<210> 135
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:anti-inflammatory compound

<400> 135
Arg Arg Arg Arg Arg Arg Arg Thr Ala Leu Asp Trp Ser Trp Leu Gln
1 5 10 15

Thr Glu

<210> 136
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:anti-inflammatory compound

<400> 136
Arg Arg Arg Arg Arg Arg Arg Thr Ala Leu Asp Trp Ser Trp Leu Gln
1 5 10 15

Thr Glu

<210> 137
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:anti-inflammatory compound

<400> 137
Tyr Ala Arg Lys Ala Arg Arg Gln Ala Arg Arg Thr Ala Leu Asp Trp

1

5

10

15

Ser Trp Leu Gln Thr Glu
20

<210> 138
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:anti-inflammatory compound

<400> 138
Tyr Ala Arg Lys Ala Arg Arg Gln Ala Arg Arg Thr Ala Leu Asp Trp
1 5 10 15

Ser Trp Leu Gln Thr Glu
20

<210> 139
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:anti-inflammatory compound

<400> 139
Tyr Ala Arg Ala Ala Arg Arg Ala Ala Arg Arg Thr Ala Leu Asp Trp
1 5 10 15

Ser Trp Leu Gln Thr Glu
20

<210> 140
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:anti-inflammatory compound

<400> 140
Thr Ala Leu Asp Trp Ser Trp Leu Gln Thr Glu
1 5 10

<210> 141
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:anti-inflammatory compound

<400> 141
Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg Leu Asp Trp Ser Trp
1 5 10 15
Leu

<210> 142
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:anti-inflammatory compound

<400> 142
Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg Leu Asp Trp Ser Trp
1 5 10 15
Leu

<210> 143
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:anti-inflammatory compound

<400> 143
Arg Arg Met Lys Trp Lys Lys Leu Asp Trp Ser Trp Leu
1 5 10

<210> 144
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:anti-inflammatory compound

<400> 144
Arg Arg Met Lys Trp Lys Lys Leu Asp Trp Ser Trp Leu
1 5 10

<210> 145
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:anti-inflammatory compound

<400> 145

Arg Arg Arg Arg Arg Arg Leu Asp Trp Ser Trp Leu
1 5 10

<210> 146
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:anti-inflammatory compound

<400> 146
Tyr Ala Arg Ala Ala Arg Arg Ala Ala Arg Arg Leu Asp Trp Ser Trp
1 5 10 15

Leu

<210> 147
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:anti-inflammatory compound

<400> 147
Tyr Ala Arg Ala Ala Arg Arg Ala Ala Arg Arg Leu Asp Trp Ser Trp
1 5 10 15

Leu

<210> 148
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:anti-inflammatory compound

<400> 148
Arg Arg Arg Arg Arg Arg Leu Asp Trp Ser Trp Leu
1 5 10

<210> 149
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:membrane translocation domain

<400> 149
Arg Arg Arg Arg Arg Arg

1

5

```
<210> 150
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
      Sequence:membrane translocation domain

<400> 150
Arg Arg Arg Arg Arg Arg Arg
 1           5

<210> 151
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
      Sequence:membrane translocation domain

<400> 151
Arg Arg Arg Arg Arg Arg Arg Arg
 1           5

<210> 152
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
      Sequence: membrane translocation domain

<400> 152
Arg Arg Arg Arg Arg Arg Arg Arg
 1           5

<210> 153
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
      Sequence:membrane translocation domain

<400> 153
Arg Arg Arg Arg Arg Arg Arg Arg Arg
 1           5           10

<210> 154
<211> 11
<212> PRT
```

<213> Artificial Sequence

<220>

<223> Description of Artificial
Sequence:mebrane translocation domain

<400> 154

Arg
1 5 10

<210> 155

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial
Sequence:mebrane translocation domain

<400> 155

Arg Arg Arg Arg Arg Arg
1 5

<210> 156

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial
Sequence:mebrane translocation domain

<400> 156

Arg Arg Arg Arg Arg Arg Arg
1 5

<210> 157

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial
Sequence:mebrane translocation domain

<400> 157

Arg Arg Arg Arg Arg Arg Arg Arg
1 5

<210> 158

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial

Sequence:mebrane translocation domain

<400> 158
Arg Arg Arg Arg Arg Arg Arg Arg Arg
1 5

<210> 159
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:mebrane translocation domain

<400> 159
Arg Arg Arg Arg Arg Arg Arg Arg Arg
1 5 10

<210> 160
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:mebrane translocation domain

<400> 160
Arg Arg Arg Arg Arg Arg Arg Arg Arg
1 5 10